

10. Homework

Due **Wednesday 12/1/04** before class

This homework counts as “half” a homework – it is worth 15 points.

1. 8.4 (page 575)

- (2 points) Determine the
 - connected components of the graph in exercise 3,
 - strongly connected components of the graph in exercise 12c.
- (2 points) Consider the graph in exercise 25. Find all the
 - cut vertices,
 - cut edges.
- (2 points) 38

2. 9.1 (page 643)

- (2 points) 12a. Draw all those trees.
- (1 point) 18.

3. 9.3 (page 673)

- (2 points) Give the inorder traversal and the preorder traversal of the tree in exercise 9.
- (2 points) 16a,b

4. 9.4 (page 685)

- (1 point) 14. Just draw the resulting tree.
- (1 point) Give another spanning tree (different from the one produced in the previous exercise) of the graph in exercise 14.